

## **ABSTRACT**

A receiver-specific regulation of the transmission energy of a symbol to be transmitted is effected by adaptation of the symbol duration or by adaptation of the number of bits transmitted with the symbol or by both measures in combination, in each case using a respective predetermined transmission power. As a result each of the measures provided for adjustment of the transmission energy effects adaptation of the symbol duration per bit, that is to say the ratio of the symbol duration to the number of bits contained therein. What is crucial for adaptation in each case is observing, or, in an alternative form of the method, falling below an upper limit value in respect of an error recognition rate associated with the respective receiver when using the predetermined transmission power. The transmission method according to the invention therefore, to clearly indicate the distinction from power management methods, can also be referred to as energy management in the form of bit duration management (BDM). That is a significant difference in relation to previously known methods and this signifies a completely new network organization which is referred to as energy budget management.